AMSAT News Service Weekly Bulletins
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SB SAT @ AMSAT $ANS-170.01
SMALL BUG IN C-64 SUPERTRAK

HR AMSAT NEWS SERVICE BULLETIN 170.01 FROM AMSAT HQ
SILVER SPRING, MD JUNE 19, 1993
TO ALL RADIO AMATEURS BT
BID: $ANS-170.01

KA5OGA Reports A Small Bug Found In Recent C-64 SUPERTRAK Programs

A software bug has been found in a recent set of distribution copies of the popular N4HY SUPERTRAK program for the Commodore C-64 computer. This problem was introduced as a part of the copying process and a very small number, about 20 in total, of the distribution disks were affected.

The disks may be identified by the date of 20-APR-93 on the disk label. The problem appears in QUIKTRAK only, not in MAPTRAK. After answering the "DATA OUT?" and "DATA IN?" prompts, the QUIKTRAK problem exhibits itself as a black screen with a blue border and no text where the main menu should be.

If you are experiencing this problem with a recently acquired copy of the C-64 N4HY SUPERTRAK program and your disk is dated 20-APR-93, you may write or call AMSAT HQ for a one page "Correction Procedures" instruction sheet. The AMSAT-NA address is: 850 Sligo Avenue, Suite 600, Silver Spring, MD, 20910-4703. The the phone number is: (301) 589-6062. Or if you would like KA5OGA to fix your disk directly, please send it to Doug Howard (KG5OA), 2517 Coldstream Drive, Fort Worth, TX 76123.

KA5OGA, the C-64 software copier for AMSAT-NA, sincerely apologizes for any inconvenience the copying error may have caused. And he promises to make sure that all of those little "gremlins" are gathered up and put in their cages before the next round of software copying.

/EX
SB SAT @ AMSAT $ANS-170.02
FO-20 IN MODE JA FOR FD

HR AMSAT NEWS SERVICE BULLETIN 170.02 FROM AMSAT HQ
SILVER SPRING, MD JUNE 19, 1993
TO ALL RADIO AMATEURS BT
BID: $ANS-170.02

FO-20 To Be Put Into Mode JA For Field Day Operations

FO-20 continues to operate superbly in both digital and analog modes. Normal analog (Mode JA) operations is still enabled on Wednesdays (GMT) with digital (JD) operations taking place the remainder of the week. During Field Day the analog transponder will be enabled from 09:20 25-JUN-93 UTC until 10:20 28-JUN-93 UTC.

Frequencies and modes are as follows:
- Uplink is 145.900 MHz to 146.000 MHz SSB and CW.
- Downlink is 435.900 MHz to 435.800 MHz SSB and CW.

The formula for uplink-to-downlink is as follows:
Downlink Freq = 581.8 MHz - Uplink Freq (MHz) +/- Doppler Shift
(e.g., 581.8 MHz - 145.910 MHz (uplink) = 435.89 MHz (downlink)

For those not familiar with satellite operations, FO-20 is an inverting transponder, and normal operating practice is as follows: CW on lower third of the downlink frequency (435.8 to 435.83 MHz), SSB on the upper third (435.86 to 435.9 MHz), and the middle third is for mixed operations. For SSB operations to uplink on LSB and downlink on USB. Because FO-20 is a Low-Earth-Orbiting (LEO) satellite, contacts can be made using relatively low power rigs (10-25W) and various antenna types. Please note that a receive preamp mounted at the antenna definately helps.

Depending on the orbit and your location in the US, contacts are possible to Canada, the Contential U.S., Mexico, Central America, South America, Greenland, Alaska, Hawaii, and the Carribean.

[The AMSAT News Service (ANS) would like to thank N0NBH for this bulletin item.]

/EX
SB SAT @ AMSAT $ANS-170.03
AMSAT OPS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 170.03 FROM AMSAT HQ
SILVER SPRING, MD JUNE 19, 1993
TO ALL RADIO AMATEURS BT
BID: $ANS-170.03

AMSAT Operations Net Schedule

AMSAT Operations Nets are planned for the following times. Mode B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz.

Date	UTC	Mode	Phs	NCS	Alt NCS
26-Jun-93	1800	B	111	W5IU	WA5ZIB
10-Jul-93	1300	B	90	WJ9F	VE2LVC
17-Jul-93	1800	B	119	VE2LVC	W9ODI

Any stations with information on current events would be most welcomed. Also, those interested in discussing technical issues or who have questions about any particular aspect of OSCAR statellite operations are encouraged to join the OPS Nets. In the unlikely event that either the Net Control Station (NCS) or the alternate do not call on frequency, any participant is invited to act as the NCS.

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Slow Scan Television on AO-13

SSTV sessions will be held on immediately after the OPS Nets a downlink on a Mode-B downlink frequency 145.960 MHz.

/EX
SB SAT @ AMSAT $ANS-170.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 170.04 FROM AMSAT HQ
SILVER SPRING, MD JUNE 19, 1993
TO ALL RADIO AMATEURS BT
BID: $ANS-170.04

Weekly OSCAR Status Reports: 19-JUN-93

AO-13: ATTITUDE CHANGE
L QST *** AO-13 TRANSPONDER SCHEDULE *** 1993 Jun 10 ->

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Mode-B  : MA   0 to MA  15 !
Mode-S  : MA  15 to MA  25 !<- S transponder; Mode-B trsp. is OFF
Mode-B  : MA  25 to MA 256 !  Attitude
Mode-   : MA               !  (approx)
Mode-   : MA               !           Jun 28  140/0
Omnis   : MA 170 to MA  10 !           Jul 12  150/0
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Please don't uplink on Mode-B during MA 15-25 because this will interfere with the Mode-S users. [G3RUH/DB2OS/VK5AGR]

MIR: Two Russian cosmonauts, Guennadi Manakov (U9MIR) and Alexandre Polechtchuk (R2MIR), await the arrival 02-JUL-93 of a new crew aboard the MIR space station. The new crew will be made up of a two Russians and a Frenchman. The new crew will be Vasily Zibliev (R3MIR) and Aleksandr Poleschuk (R4MIR) and Jean Pierre Haignere, (callsign uknown). It is still not certain yet whether Jean will be active from the MIR hamshack. The new MIR crew will be very busy performing Extra Vehicular Activities (EVA) on 18-JUL-93. The new crew will be installing some electronic controls to the solar panels to the Kvant astrophysic module and will also be performing some functional equipment check-outs aboard MIR. Look for the cosmonauts to be active on 145.550 MHz or on packet in the weeks following the their arrival of the new crew on 02-JUL-93. [LW2DTZ]

AO-10: This week KD8PH heard AO-10 on a low pass when it was approximately 8,000 miles away from his QTH, slant range, and was able to get into the Mode-B transponder. Despite calling CQ, he did not hear any stations on the downlink return his call. He reminds everyone that AO-10, at times, puts out a very good signal and he feels hams should not "count-it-out." [KD8PH]

AO-21: KD8PH notes that AO-21 was very busy this week on its FM transponder mode. Uplink is 435.016 MHz and downlink is 145.989 MHz FM. [KD8PH]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

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